

ASSIGNMENT

Assignor: Barrie Gilbert
Address: 10605 NW Lost Park Drive
Portland, OR 97229
Assignee: Analog Devices, Inc.
Address: One Technology Way
Norwood, MA 02062

COPY OF ORIGINAL
ASSIGNMENT
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Title of
Invention:

GAIN AND PHASE DETECTOR HAVING DUAL
LOGARITHMIC AMPLIFIERS

U.S. Patent Application:

Application Serial No.: 09/675,902
Filing Date: September 28, 2000

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Beaverton, Oregon, this 12th day of January, 2001.

Barrie Gilbert
Barrie Gilbert
Assignor

STATE OF OREGON

County of

)
) ss.
)

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Before me this 12th day of January, 2001, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Monica Sue Cordrey
Notary Public for Oregon
My commission expires: May 11, 2001

[SEAL]

ANALOG DEVICES, INC.

OFFICER'S CERTIFICATE

I, Joseph E. McDonough do hereby certify that I am a duly elected and serving Vice President of Analog Devices, Inc. (the "Company") and that at a meeting of the Board of Directors of the Company duly held on March 10, 1998, at which a quorum of the Directors were present and voting throughout, the following resolution was adopted:

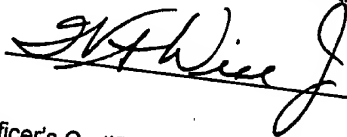
VOTED:

[Authority for Patent and Trademark Registrations]

That any **Officer, the Clerk and Assistant Clerks of the corporation** hereby are authorized and empowered in the name of and on behalf of the corporation, and under its corporate seal, from time to time, to execute and deliver certificates, powers of attorney, applications or other instruments with respect to any patent, trademark, copyright registration or application of any of the foregoing or for the protection of intellectual property in any country in the world.


I further certify that the following named person is the duly elected and serving Assistant Clerk of Analog Devices, Inc. and that the signature appearing adjacent to his name and title is his signature.

William A. Wise, Jr.
Assistant Clerk



IN WITNESS WHEREOF I have executed this Officer's Certificate as of this 30 day of March 1998.

(SEAL)



Joseph E. McDonough
Vice President, Finance &
Chief Financial Officer

at 9/20/2002
Carolyn B. McNeil